

# DIGITAL HUMANITIES (LM70)

(Università degli Studi)

## Teaching GIS APPLICATIONS IN CLASSICAL ARCHAEOLOGY

GenCod A004651

**Owner professor** Grazia SEMERARO

**Teaching in italian** GIS APPLICATIONS IN CLASSICAL ARCHAEOLOGY

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**SSD code** L-ANT/07

**Course year** 1

**Language** INGLESE

**Curriculum** COMUNE/GENERICO

**Reference course** DIGITAL HUMANITIES

**Course type** Laurea Magistrale

**Credits** 6.0

**Teaching hours** Ore-Attivita-frontale: 42.0

**For enrolled in** 2021/2022

**Taught in** 2021/2022

**Location**

**Semester** Secondo-Semestre

**Exam type** Orale

**Assessment** Voto-Finale

**Course timetable**

<https://easyroom.unisalento.it/Orario>

### BRIEF COURSE DESCRIPTION

The course aims to provide the theoretical and methodological background for skilful use of Geographic Information Systems (GIS) in historical research contexts with a focus on archaeological applications.

### REQUIREMENTS

Familiarity with computers (at least at ECDL level)

### COURSE AIMS

The lectures and the exercises in front of a computer will provide students with a general overview of GIS technology . Students will be able to:

- Utilize the core components and functionality of a GIS
- Employ a variety of geospatial data types, data sources and metadata management techniques
- Create, manipulate, query and analyze geospatial data

### TEACHING METHODOLOGY

The course will consist of lectures and practical tasks to be held in laboratory

### ASSESSMENT TYPE

Following the new provisions to avoid coronavirus infection, it will be possible to take the spring session exams only in online mode (see for guidelines *unisalento.it website*).The following indications concern the traditional methods, which I hope will be able to resume as soon as possible.

a. Oral exam

The examination aims at assessing:

- Knowledge and understanding of the contents of the course
- Practical abilities

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## ASSESSMENT SESSIONS

16.9.2021  
15.10.2021  
27.1.2022  
10.2.2022  
24.2.2022  
7.4.2022 \*  
19.5.2022 \*\*  
16.6.2022  
30.6.2022  
21.7.2022  
15.9.2022  
13.10.2022

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## FULL SYLLABUS

The course aims to provide the theoretical and methodological background for skilful use of Geographic Information Systems (GIS) in historical research contexts with a focus on archaeological applications.

This course will serve as an introduction to GIS technology and its applications to archaeological data management and analysis. Students will learn how to compile, transform, analyze and present sources of archaeological and historical data, and will utilize this information in GIS for cultural resources interpretation and management. References to selected research studies in Classical Archeology will be provided.

Reference material:

- a. Institutional course: GIS - Guide on line: <http://ads.ahds.ac.uk/project/goodguides/gis/>;
- b. Monographic course: D. Wheatley, M. Gillings (2002). *Spatial Technology and Archaeology*. Taylor & Francis, New York .

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## REFERENCE TEXT BOOKS

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